CATERPILLAR®

Solar Turbines Incorporated

P.O. Box 85376
San Diego, CA 92186-5376
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September 16, 1991 **CERTIFIED MAIL**

California Department of Health Services
Toxics Substances Control Program, Region 4
Permitting Branch
Attn: Robert Senga
245 W. Broadway, Suite 350
Long Beach, CA 90802

Subject: Revised Part A Application

Facility: Solar Turbines Incorporated
Harbor Drive Facility
2200 Pacific Highway
San Diego, CA 92101
EPA ID # CAD008314908

Dear Mr. Senga:

Enclosed is the revised Part A application (EPA form 8700-23) for the facility referenced above. This revised Part A reflects the following changes:

- The Hazardous Waste Storage Yard was constructed to meet permit requirements for the State issued Hazardous Waste Facility Permit dated July 24, 1987. The site plan dated 10-30-85, attached as section XVI of the Part A, shows the location of the empty drum storage yard (the former hazardous waste area) and the "proposed" hazardous waste storage yard (the current hazardous waste area).

- The salt-water intake for single pass cooling and discharge to the bay has been dismantled. The related NPDES permit expired in July 1989. Therefore, this process has been deleted from section XII of the Part A leaving only the RCRA regulated unit, the hazardous waste storage yard.

- The description of hazardous waste in Section XIV of the Part A has been updated to include the current State and EPA waste codes for materials routinely generated and potentially stored at this facility.

If you have any questions or need further information, feel free to contact me at (619) 544-5394.

Sincerely,

Ruth G. Pullen

Ruth G. Pullen
Sr. Environmental Engineer

Enclosure

cc: US EPA Region IX
Attn: Mr. Frank Laguna, H-4-1
Regional Coordinator
75 Hawthorne St.
San Francisco, CA 94105

California Department of Health Services
Toxic Substances Control Program, Region 4
Surveillance and Enforcement Branch
Attn: Ms. Maria Durand
245 West Broadway, Suite 350
Long Beach, CA 90802

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0034 Expires 12-31-91
GSA No. 0246-EPA-OT

For EPA Regional Use Only

Date Received
Month Day Year

EPA
United States Environmental Protection Agency
Washington, DC 20460

# Hazardous Waste Permit Application
## Part A

For State Use Only

I. EPA ID Number

| A. EPA ID Number | B. Secondary ID Number (if applicable) |
|---|---|
| C A D 0 0 8 3 1 4 9 0 8 | |

II. Name of Facility

SOLAR TURBINES-HARBOR DRIVE

III. Facility Location (Physical address; not P.O. Box or Route Number)

A. Street

2200 PACIFIC HIGHWAY

Street (continued)

City or Town: SAN DIEGO

State: CA

ZIP Code: 92101-

County Code (if known):

County Name: SAN DIEGO

B. Land Type (enter code): D

C. Geographic Location — LATITUDE (degrees, minutes, & seconds): 32 44 30 — LONGITUDE (degrees, minutes, & seconds): 117 10 24

D. Facility Existence Date — Month Day Year: 11 13 1927

IV. Facility Mailing Address

Street or P.O. Box: PO BOX 85376 MZ T-2

City or Town: SAN DIEGO

State: CA

ZIP Code: 92186-5376

V. Facility Contact (Person to be contacted regarding waste activities at facility)

Name (last): BUSH — (first): ROBERT

Job Title: MANAGER ENVIRON — Phone Number (area code and number): 619-544-5191

VI. Facility Contact Address (See instructions)

A. Contact Address — Location: ; Mailing: X

B. Street or P.O. Box:

City or Town:

State:

ZIP Code:

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0034 Expires 12-31-91
GSA No. 0246-EPA-OT

| EPA I.D. Number (enter from page 1) | Secondary ID Number (enter from page 1) |
|---|---|
| C A D 0 0 8 3 1 4 9 0 8 | |

## VII. Operator Information (see instructions)

**Name of Operator**

S O L A R T U R B I N E S I N C O R P O R A T E D

**Street or P.O. Box**

P O B O X 8 5 3 7 6

| City or Town | State | ZIP Code |
|---|---|---|
| S A N D I E G O | C A | 9 2 1 8 6 - 5 3 7 6 |

| Phone Number (area code and number) | B. Operator Type | C. Change of Operator Indicator | Date Changed (Month / Day / Year) |
|---|---|---|---|
| 6 1 9 - 5 4 4 - 5 1 9 1 | P | Yes [ ] No [X] | |

## VIII. Facility Owner (see instructions)

**A. Name of Facility's Legal Owner**

S A N D I E G O U N I F I E D P O R T D I S T R I C T

**Street or P.O. Box**

3 1 6 5 P A C I F I C H I G H W A Y

| City or Town | State | ZIP Code |
|---|---|---|
| S A N D I E G O | C A | 9 2 1 0 1 - |

| Phone Number (area code and number) | B. Owner Type | C. Change of Owner Indicator | Date Changed (Month / Day / Year) |
|---|---|---|---|
| 6 1 9 - 2 9 1 - 3 9 0 0 | D | Yes [ ] No [X] | |

## IX. SIC Codes (4-digit, in order of significance)

| Primary | | Secondary | |
|---|---|---|---|
| | (description) | | (description) |
| **Secondary** | | **Secondary** | |
| | (description) | | (description) |

## X. Other Environmental Permits (see instructions)

| A. Permit Type (enter code) | B. Permit Number | C. Description |
|---|---|---|
| | | |

EPA I.D. Number (enter from page 1): C A D 0 0 8 3 1 4 9 0 8

Secondary ID Number (enter from page 1):

## XI. Nature of Business (provide a brief description)

## XII. Process – Codes and Design Capacities

A. PROCESS CODE – Enter the code from the list of process codes below that best describes each process to be used at the facility. Twelve lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided in Item XIII.

B. PROCESS DESIGN CAPACITY – For each code entered in column A, enter the capacity of the process.

1. AMOUNT – Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process unit.

2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

C. PROCESS TOTAL NUMBER OF UNITS – Enter the total number of units used with the corresponding process code.

| PROCESS CODE | PROCESS | APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY |
|---|---|---|
| | DISPOSAL: | |
| D79 | INJECTION WELL | GALLONS; LITERS; GALLONS PER DAY; OR LITERS PER DAY |
| D80 | LANDFILL | ACRE-FEET OR HECTARE-METER |
| D81 | LAND APPLICATION | ACRES OR HECTARES |
| D82 | OCEAN DISPOSAL | GALLONS PER DAY OR LITERS PER DAY |
| D83 | SURFACE IMPOUNDMENT | GALLONS OR LITERS |
| | STORAGE: | |
| S01 | CONTAINER (barrel, drum, etc.) | GALLONS OR LITERS |
| S02 | TANK | GALLONS OR LITERS |
| S03 | WASTE PILE | CUBIC YARDS OR CUBIC METERS |
| S04 | SURFACE IMPOUNDMENT | GALLONS OR LITERS |
| | TREATMENT: | |
| T01 | TANK | GALLONS PER DAY OR LITERS PER DAY |
| T02 | SURFACE IMPOUNDMENT | GALLONS PER DAY OR LITERS PER DAY |
| T03 | INCINERATOR | SHORT TONS PER HOUR; METRIC TONS PER HOUR; GALLONS PER HOUR; LITERS PER HOUR; OR BTU'S PER HOUR |
| T04 | OTHER TREATMENT (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundment or incinerators. Describe the processes in the space provided in Item XIII.) | GALLONS PER DAY; LITERS PER DAY; POUNDS PER HOUR; SHORT TONS PER HOUR; KILOGRAMS PER HOUR; METRIC TONS PER DAY; METRIC TONS PER HOUR; OR SHORT TONS PER DAY |

| UNIT OF MEASURE | UNIT OF MEASURE CODE |
|---|---|
| GALLONS | G |
| GALLONS PER HOUR | E |
| GALLONS PER DAY | U |
| LITERS | L |
| LITERS PER HOUR | H |
| LITERS PER DAY | V |
| SHORT TONS PER HOUR | D |
| METRIC TONS PER HOUR | W |
| SHORT TONS PER DAY | N |
| METRIC TONS PER DAY | S |
| POUNDS PER HOUR | J |
| KILOGRAMS PER HOUR | R |
| CUBIC YARDS | Y |
| CUBIC METERS | C |
| ACRES | B |
| ACRE-FEET | A |
| HECTARES | Q |
| HECTARE-METER | F |
| BTU's PER HOUR | K |

EPA I.D. Number (enter from page 1): C A D 0 0 8 3 1 4 9 0 8

Secondary ID Number (enter from page 1):

## XII. Process Codes and Design Capacities (continued)

EXAMPLE FOR COMPLETING ITEM XII (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

| Line Number | A. PROCESS CODE (from list above) | B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify) | B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code) | C. PROCESS TOTAL NUMBER OF UNITS | FOR OFFICIAL USE ONLY |
|---|---|---|---|---|---|
| X 1 | S D 2 | 600 | G | 0 0 2 | |
| X 2 | T 0 3 | 20 | E | 0 0 1 | |
| 1 | S 0 1 | 17200 | G | 0 0 1 | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |
| 11 | | | | | |
| 12 | | | | | |

NOTE: If you need to list more than 12 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for additional treatment processes in Item XIII.

## XIII. Additional Treatment Processes (follow instructions from Item XII)

| Line Number (enter numbers in sequence with Item XII) | A. PROCESS CODE | B. TREATMENT PROCESS DESIGN CAPACITY 1. AMOUNT (specify) | B. TREATMENT PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code) | C. PROCESS TOTAL NUMBER OF UNITS | D. DESCRIPTION OF PROCESS |
|---|---|---|---|---|---|
| | | | | | |
| | T 0 4 | | | | |
| | | | | | |
| | T 0 4 | | | | |
| | | | | | |
| | T 0 4 | | | | |
| | | | | | |
| | T 0 4 | | | | |
| | | | | | |

| EPA I.D. Number (enter from page 1) | | | | | | | | | | | | Secondary ID Number (enter from page 1) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | A | D | 0 | 0 | 8 | 3 | 1 | 4 | 9 | 0 | 8 | | | | | | | | | | | | |

## XIV. Description of Hazardous Wastes

A. EPA HAZARDOUS WASTE NUMBER – Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY – For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess the characteristic or contaminant.

C. UNIT OF MEASURE – For each quantity entered in column B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

| ENGLISH UNIT OF MEASURE | CODE | METRIC UNIT OF MEASURE | CODE |
|---|---|---|---|
| POUNDS | P | KILOGRAMS | K |
| TONS | T | METRIC TONS | M |

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that processes that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. Enter the first two as described above.
2. Enter "000" in the extreme right box of Item XIV-D(1).
3. Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) – A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

| Line Number | A. EPA HAZARD WASTE NO. (enter code) | B. ESTIMATED ANNUAL QUANTITY OF WASTE | C. UNIT OF MEASURE (enter code) | D. PROCESS (1) PROCESS CODES (enter) | D. PROCESS (2) PROCESS DESCRIPTION (If a code is not entered in D(1)) |
|---|---|---|---|---|---|
| X 1 | K 0 5 4 | 900 | P | T 0 3 D 8 0 | |
| X 2 | D 0 0 2 | 400 | P | T 0 3 D 8 0 | |
| X 3 | D 0 0 1 | 100 | P | T 0 3 D 8 0 | |
| X 4 | D 0 0 2 | | | | Included With Above |

EPA I.D. Number (enter from page 1): C A D 0 0 8 3 1 4 9 0 8

Secondary ID Number (enter from page 1):

## XIV. Description of Hazardous Wastes (continued)

| Line Number | A. EPA HAZARDOUS WASTE NO. (enter code) | B. ESTIMATED ANNUAL QUANTITY OF WASTE | C. UNIT OF MEASURE (enter code) | D. PROCESSES (1) PROCESS CODES (enter) | (2) PROCESS DESCRIPTION (if a code is not entered in D(1)) |
|---|---|---|---|---|---|
| 1 | 2 2 3 | 17.0 | T | S 0 1 | |
| 2 | 1 2 3 | 11.0 | T | S 0 1 | |
| 3 | D 0 0 2 | | | | Included with above |
| 4 | 1 3 5 | 12.5 | T | S 0 1 | |
| 5 | D 0 0 2 | | | | Included with above |
| 6 | D 0 0 7 | | | | Included with above |
| 7 | 1 3 5 | 7.5 | T | S 0 1 | |
| 8 | D 0 0 2 | | | | Included with above |
| 9 | 2 2 3 | 17.5 | T | S 0 1 | |
| 10 | 4 9 1 | 24.0 | T | S 0 1 | |
| 11 | 4 6 1 | 8.5 | T | S 0 1 | |
| 12 | D 0 0 1 | | | | Included with above |
| 13 | F 0 0 5 | | | | Included with above |
| 14 | 1 5 1 | 4.0 | T | S 0 1 | |
| 15 | 4 9 1 | 30.5 | T | S 0 1 | |
| 16 | D 0 0 2 | | | | Included with above |
| 17 | D 0 0 6 | | | | Included with above |
| 18 | D 0 0 7 | | | | Included with above |
| 19 | D 0 0 8 | | | | Included with above |
| 20 | 2 5 1 | 2.5 | T | S 0 1 | |
| 21 | F 0 0 1 | | | | Included with above |
| 22 | 2 2 1 | 115.0 | T | S 0 1 | |
| 23 | 5 4 1 | 1.5 | T | S 0 1 | |
| 24 | D 0 1 1 | | | | Included with above |
| 25 | | | | | |
| 26 | | | | | |
| 27 | | | | | |
| 28 | | | | | |
| 29 | | | | | |
| 30 | | | | | |
| 31 | | | | | |
| 32 | | | | | |
| 33 | | | | | |

| EPA I.D. Number (enter from page 1) | | | | | | | | | | | | Secondary ID Number (enter from page 1) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | A | D | 0 | 0 | 8 | 3 | 1 | 4 | 9 | 0 | 8 | | | | | | | | | | | | |

## XIV. Description of Hazardous Waste (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 6.

| Line Number | Additional Process Codes (enter) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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## XV. Map

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

## XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

## XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

## XVIII. Certification(s)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

| Owner Signature | Date Signed |
|---|---|
| | |

Name and Official Title *(type or print)*

| Operator Signature | Date Signed |
|---|---|
| David M. Lehmann | Sept 6, 1991 |

Name and Official Title *(type or print)*
David M. Lehmann, Vice President, Solar Turbines Incorporated

## XIX. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (refer to instructions for more information)

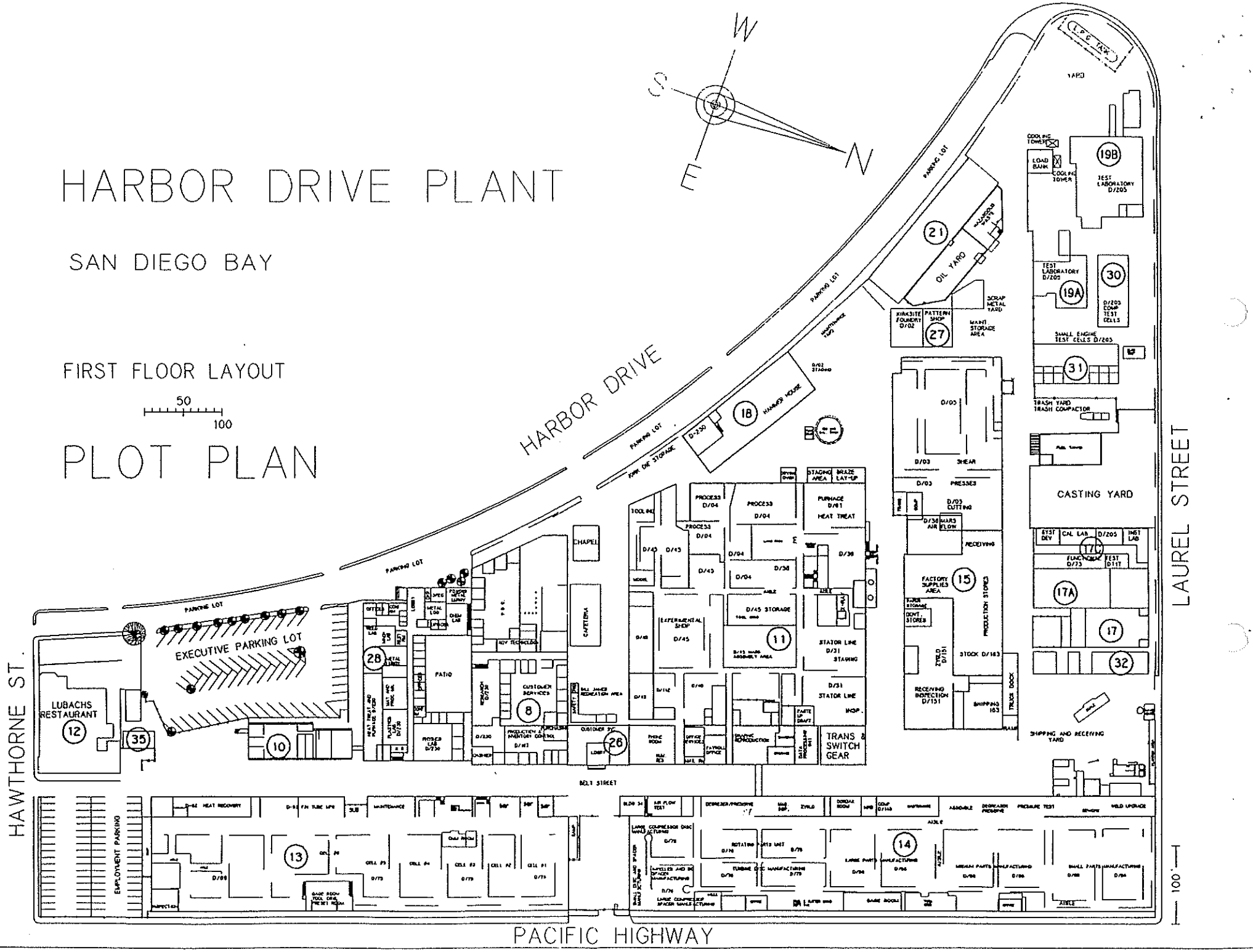
# HARBOR DRIVE PLANT

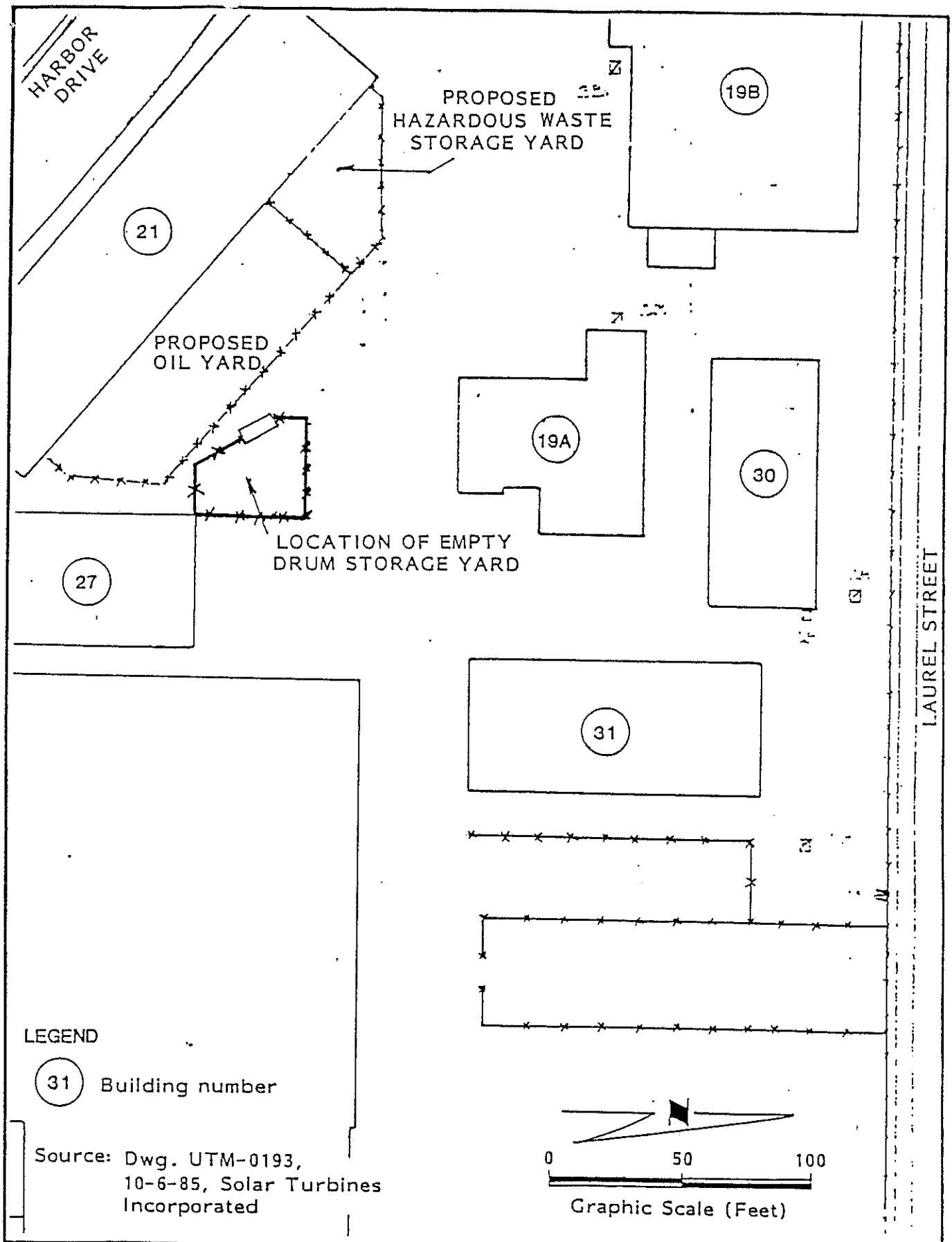
SAN DIEGO BAY

FIRST FLOOR LAYOUT

50
100

# PLOT PLAN






SITE PLAN
EMPTY BARREL STORAGE YARD
HARBOR DRIVE FACILITY

| DRAWN BY: ch | CHECKED BY: | PROJECT NO: 551041-ECO2 | DATE: 10-30-85 | FIGURE NO: 1 |
|---|---|---|---|---|

WOODWARD-CLYDE CONSULTANTS